

for by the tough consistency of the outer covering of the bean. There is nothing to indicate that it would not be fit for food, although the tough outer covering would better be removed. No prussic acid has been detected in the macerated product."

Received as a hybrid between the so-called Madagascar butter bean (*Phaseolus lunatus*) and the sword bean (*Canavalia gladiatum*).

**44939. VICIA FABA L. Fabaceæ.**

**Broad bean.**

From Camden, N. J. Presented by Mr. A. T. Ivanhoe. Received July 2, 1917.

"In Russian called *Konskie Bobi* (horse bean), or plain *Bob*. Plant at the same time as peas in good garden soil which is not too dry." (*Ivanhoe*.)

**44940. ZIZIPHUS MAURITIANA Lam. Rhamnaceæ.**

**Bor.**

(*Z. jujuba* Lam., not Mill.)

From Seharunpur, India. Seeds presented by Mr. A. C. Hartless, superintendent, Botanic Garden. Received July 2, 1917.

"The tree is mainly cultivated for its fruit, which on the wild or commoner kinds is more or less globose, and on the cultivated and improved kinds ovoid or oblong. The pulp is mealy, sweetish, with a pleasant taste, and some of the cultivated kinds are very good indeed. The dried fruits are sold in the bazaars of the Panjab under the name of *unab*; the best kind is imported from Kandahar." (*D. Brandis, Forest Flora of India*, p. 88.)

**44941 and 44942. CARICA PAPAYA L. Papayaceæ.**

**Papaya.**

From Honolulu, Hawaii. Presented by Mr. J. M. Westgate, Agricultural Experiment Station. Received July 5, 1917.

These papaya varieties were introduced for comparative studies in papain content and fruit production.

**44941.** "No. 2594."

**44942.** "No. 3598-12."

**44943 to 44953. TRITICUM AESTIVUM L. Poaceæ.**

**Wheat.**

(*T. vulgare* Vill.)

From Paris, France. Presented by Vilmorin-Andrieux & Co. Received July 6, 1917.

The following varieties were sent in response to a request for rust-resistant wheats. (Quoted notes by Vilmorin-Andrieux & Co.)

**44943.** "*Alliés Hybrid*."

**44949.** "*Japhet, or Red Marvel; yellow grain*."

**44944.** "*Autumn Victoria*."

**44945.** "*Bearded Pearl of Nuisement*."

**44950.** "*Jolly Farmer's Hybrid, or Sensation*."

**44946.** "*Crépi*."

**44951.** "*Massy Hybrid*."

**44947.** "*Dattel Hybrid, or White Marvel*."

**44952.** "*Red-Bearded Autumn*."

**44953.** "*Treasure Hybrid*."

**44948.** "*Early Noé, or Blue*."

**44954. BIXA ORELLANA L. Bixaceæ.**

**Annatto tree.**

From Sao Paulo, Brazil. Presented by the Empresa Editora de Chacaras e Quintaes. Received July 6, 1917.

"*Urucú*." A large-leaved tropical tree, about 30 feet high, with panicles of showy pinkish flowers. It is cultivated in the East and West Indies for the